## Annual Air Emission Inventory and Emission Statement **Facility Report**

### **General Facility Information**

Facility ID:

00120

County - 005

State - 23

Year Inventory: 2008

Facility Name: SPRAGUE ENERGY

SIC: 5171

Street Address: 59 MAIN ST

Mail Address: 59 MAIN ST

**Emissions** 

Contact: LARRY LAVERRIERE

SOUTH PORTLAND

ME 04106

Telephone #: 2077994899

Comment:

## **Group Information**

Group Id:

001

Group Description: TANK #3 - #2 FUEL OIL

Actual Operating Schedule for This Group:

Hours/Day 24

Start Time: 0001

Design Capacity:

Desgin Cap. Units:

Davs/Week

7 52

Percent Quarterly Throughput:

Mar.- May Jun.- Aug. Sept.- Nov.

Weeks/Year O3 Season Days 91 End Time: 2359

Dec.-Feb. 25

25

25

25

Comment:

#### **Process Unit Information**

Process Unit ID:

Stack #: 99

**Description: BREATHING LOSS** 

Description: FUGITIVE

Source Classification Code (SCC): 40301020

Height: 0

Description: Petroleum Product Storage at Refineries

Diameter: 0.00

Fixed Roof Tanks (Varying Sizes)

Vent Height: 2

Distillate Fuel #2: Breathing Loss (250000 Bbl. Tank Size)

Velocity: 0.0 Exit Temp.: 0

AP-42 Units: 1000 Gallon-Years Distillate Oil (No. 2)

Flow Rate:

Fuel Quality: Percent Sulfur: 0.000 Percent Ash:

Monthly Throughtput:

March:

June:

1

September:

December: January:

April:

July:

October:

February:

May:

August:

**Heat Content:** 

November:

Annual Throughtput: 3250.3

Units: 1000 Gallon-Years Distillate Oil (No. 2)

0.00

Comment:

## **Process Unit Control Equipment**

No Control Devices found for this Process Unit.

Estimated Emissions - No RE

Factor:

1

Over All % Capture Control

Pollutant

Pollutant Description

Method:

Tons/Yr:

VOC

**VOLATILE ORGANIC COMPOUNDS** 

3

0.21743

99

Comment:

**Process Unit Information** 

Process Unit ID: 2 Stack #:

**Description: WORKING LOSS** 

Description: FUGITIVE

Source Classfiication Code (SCC): 40301021

Height: 0

Description: Petroleum Product Storage at Refineries

Diameter: 0.00

Fixed Roof Tanks (Varying Sizes)

Vent Height: 2

Distillate Fuel #2: Working Loss (Tank Diameter Independent)

Velocity: 0.0

AP-42 Units: 1000 Gallons Distillate Oil (No. 2) Thro

Exit Temp.: 0

Fuel Quality: Percent Sulfur: 0.000

Percent Ash:

Heat Content: 0.00

Flow Rate:

Monthly Throughtput:

December:

March:

June:

September:

January:

April:

July:

October:

February:

May:

August:

November:

Annual Throughtput: 10722.1

Units: 1000 Gallons Distillate Oil (No. 2) Thro

Comment:

**Process Unit Control Equipment** 

No Control Devices found for this Process Unit.

**Process Unit Emissions** 

Estimated Emissions - No RE

Factor:

Over All % Capture Control

Pollutant VOC

**VOLATILE ORGANIC COMPOUNDS** 

Pollutant Description

Method: 3

Tons/Yr: 0.0745

Comment:

06/26/2009 10:01:33

Page 2

## **Group Information**

Group Id:

002

Group Description: TANK #4 - JET KEROSENE

Actual Operating Schedule for This Group:

7

Hours/Day 24

Start Time: 0001

Design Capacity:

Desgin Cap. Units:

Days/Week Weeks/Year 52

End Time: 2359

Percent Quarterly Throughput:

Dec.-Feb. Mar.- May

Jun.- Aug. Sept.- Nov. O3 Season Days 91

25

25

25

25

Comment:

**Process Unit Information** 

Process Unit ID:

1

**Description: STANDING LOSS** 

Stack #:

1

Description: FUGITIVE

Source Classification Code (SCC): 40301154

Description: Petroleum Product Storage at Refineries

Height: 0 Diameter: 0.00

Floating Roof Tanks (Varying Sizes) Jet Kerosene: Standing Loss - Internal

Vent Height: 2 Velocity: 0.0

AP-42 Units: 1000 Gallon-Years Jet Kerosene Storage C

Exit Temp.: 0

Fuel Quality: Percent Sulfur: 0.000 Percent Ash:

0.00 Heat Content:

Flow Rate:

Monthly Throughtput:

December:

March:

June:

September:

January:

April:

July:

October:

February:

May:

August:

November:

Annual Throughtput: 1319.3

Units: 1000 Gallon-Years Jet Kerosene Storage C

Comment:

**Process Unit Control Equipment** 

No Control Devices found for this Process Unit.

**Process Unit Emissions** 

Estimated Emissions - No RE

Factor:

Over All % Capture Control

Pollutant VOC

**VOLATILE ORGANIC COMPOUNDS** 

Pollutant Description

Method: 3

0.00533

Tons/Yr:

Comment:

06/26/2009 10:01:33 Page 3

2 Process Unit ID:

Description: WITHDRAWAL LOSS

Stack #: 99

Description: FUGITIVE

Source Classification Code (SCC): 40301119

Description: Petroleum Product Storage at Refineries

Diameter: 0.00

Floating Roof Tanks (Varying Sizes)

Vent Height: 2

Jet Kerosene: Withdrawal Loss

Velocity: 0.0

AP-42 Units: 1000 Gallons Jet Kerosene Throughput

1

Exit Temp.: 0

Height: 0

Fuel Quality: Percent Sulfur: 0.000

0.00

**Heat Content:** 

Flow Rate:

Percent Ash:

Monthly Throughtput:

December:

March:

June:

September:

January:

April:

July:

October:

February:

May:

August:

November:

Annual Throughtput: 1754.78

Units: 1000 Gallons Jet Kerosene Throughput

Comment:

**Process Unit Control Equipment** 

No Control Devices found for this Process Unit.

**Process Unit Emissions** 

Estimated Emissions - No RE Factor:

Over All %

**Pollutant** 

Method:

Tons/Yr:

Capture Control

VOC

VOLATILE ORGANIC COMPOUNDS

3

0.00246

7

52

Comment:

**Group Information** 

Group Id:

003

Mar.- May

25

Group Description: TANK #5 - JET KEROSENE

Pollutant Description

Actual Operating Schedule for This Group:

Hours/Day 24

O3 Season Days 91

Start Time: 0001

Design Capacity:

Desgin Cap. Units:

Sept.- Nov.

25

Jun.- Aug.

25

Days/Week

Percent Quarterly Throughput:

Weeks/Year

End Time: 2359

Dec.-Feb. 25

Comment:

Process Unit ID:

Stack #: 99

Description: FUGITIVE **Description: STANDING LOSS** 

Height: 0 Source Classification Code (SCC): 40301154

Description: Petroleum Product Storage at Refineries Diameter: 0.00 Vent Height: 2 Floating Roof Tanks (Varying Sizes) Jet Kerosene: Standing Loss - Internal Velocity: 0.0

AP-42 Units: 1000 Gallon-Years Jet Kerosene Storage C Exit Temp.: 0 Flow Rate:

**Heat Content:** 1 Fuel Quality: Percent Sulfur: 0.000 Percent Ash: 0.00

Monthly Throughtput:

December: March: June: September: October: July: April: January:

November: May: August: February:

Units: 1000 Gallon-Years Jet Kerosene Storage C Annual Throughtput: 1337.4

Comment:

**Process Unit Control Equipment** 

No Control Devices found for this Process Unit.

**Process Unit Emissions** 

Estimated Emissions - No RE Over All % Tons/Yr: Method: Factor: Capture Control Pollutant\_ Pollutant Description

**VOLATILE ORGANIC COMPOUNDS** 3 0.004845 VOC

Comment:

**Process Unit Information** 

Flow Rate:

Process Unit ID: 2 Stack #: 99

Description: WITHDRAWAL LOSS Description: FUGITIVE

Source Classification Code (SCC): 40301119 Height: 0 Description: Petroleum Product Storage at Refineries Diameter: 0.00 Floating Roof Tanks (Varying Sizes) Vent Height: 2 Jet Kerosene: Withdrawal Loss Velocity: 0.0

AP-42 Units: 1000 Gallons Jet Kerosene Throughput Exit Temp.: 0

Fuel Quality: Percent Sulfur: 0.000 Percent Ash: 0.00**Heat Content:** 1

Monthly Throughtput:

March: December: June: September: April: July: October: January: February: May: August: November:

Annual Throughtput: 1778.97 Units: 1000 Gallons Jet Kerosene Throughput

Comment:

**Process Unit Control Equipment** 

No Control Devices found for this Process Unit.

Over All %

Capture Control

Estimated Emissions - No RE

Pollutant Description Method: Factor: Tons/Yr:

VOC VOLATILE ORGANIC COMPOUNDS 3 0.002495

Comment:

Pollutant

**Group Information** 

Group Id: 004
Group Description: TANK 207- KEROSENE
Actual Operating Schedule for This Group:

Hours/Day 24 Start Time: 0001

Design Capacity: Desgin Cap. Units: Days/Week 7

Percent Quarterly Throughput: Weeks/Year 52 End Time: 2359

Dec.-Feb. Mar.- May Jun.- Aug. Sept.- Nov. O3 Season Days 91

25 25 25 25 25

Comment:

**Process Unit Information** 

Process Unit ID: Stack #: 99

Description: BREATHING LOSS Description: FUGITIVE

Source Classification Code (SCC): 40301016 Height: 0

Description: Petroleum Product Storage at Refineries Diameter: 0.00

Fixed Roof Tanks (Varying Sizes)

Vent Height: 2

Let Karasene: Breathing Loss (67000 Rbl. Tank Size)

Velocity: 0.0

Jet Kerosene: Breathing Loss (67000 Bbl. Tank Size)Velocity: 0.0AP-42 Units: 1000 Gallon-Years Jet Kerosene Storage CExit Temp.: 0

Fuel Quality: Percent Sulfur: 0.000 Percent Ash: 0.00 Heat Content: 1

Monthly Throughtput:

December: March: June: September:

January: April: July: October:

February: May: August: November:

Annual Throughtput: 1502.3 Units: 1000 Gallon-Years Jet Kerosene Storage C

Comment:

**Process Unit Control Equipment** 

No Control Devices found for this Process Unit.

Process Unit Emissions

Pollutant Pollutant Description

Estimated Emissions - No RE Over All %

Method: Factor: Tons/Yr: Capture Control

VOC VOLATILE ORGANIC COMPOUNDS 3 0.089275

Comment:

2 Process Unit ID: Stack #:

Description: FUGITIVE Description: WORKING LOSS

Source Classification Code (SCC): 40301018 Height: 0

Description: Petroleum Product Storage at Refineries Diameter: 0.00

Fixed Roof Tanks (Varying Sizes) Vent Height: 2 Jet Kerosene: Working Loss (Tank Diameter Independent) Velocity: 0.0 AP-42 Units: 1000 Gallons Jet Kerosene Throughput Exit Temp.: 0 Flow Rate:

Heat Content: 1 Fuel Quality: Percent Sulfur: 0.000 Percent Ash: 0.00

Monthly Throughtput:

December: March: June: September:

January: April: July: October:

November: February: May: August:

Units: 1000 Gallons Jet Kerosene Throughput Annual Throughtput: 4664.86

Comment:

**Process Unit Control Equipment** 

No Control Devices found for this Process Unit.

**Process Unit Emissions** 

Estimated Emissions - No RE Over All % Tons/Yr: Method: Factor: Pollutant Pollutant Description Capture Control

VOC **VOLATILE ORGANIC COMPOUNDS** 3 0.03927

Comment:

**Group Information** 

Group Id: 005 Actual Operating Schedule for This Group: Group Description: TANK #13- #2 FUEL OIL

Hours/Day 24 Start Time: 0001 Design Capacity: Desgin Cap. Units: Days/Week 7

Weeks/Year 52 End Time: 2359

Percent Quarterly Throughput: O3 Season Days 91

Jun.- Aug. Dec.-Feb. Mar.- May Sept.- Nov.

25

25

Comment:

25

25

Process Unit ID: 1 Stack #: 9

Description: WORKING LOSS Description: FUGITIVE

Source Classification Code (SCC): 40301021 Height: 0
Description: Petroleum Product Storage at Refineries Diameter: 0.00

Fixed Roof Tanks (Varying Sizes)

Distillate Fuel #2: Working Loss (Tank Diameter Independent)

AP-42 Units: 1000 Gallons Distillate Oil (No. 2) Thro

Diameter: 0.00

Vent Height: 2

Velocity: 0.0

Exit Temp.: 0

Fuel Quality: Percent Sulfur: 0.000 Percent Ash: 0.00 Heat Content: 1

Monthly Throughtput:

December: March: June: September:

January: April: July: October:

February: May: August: November:

Annual Throughtput: 10643.3 Units: 1000 Gallons Distillate Oil (No. 2) Thro

Comment:

**Process Unit Control Equipment** 

No Control Devices found for this Process Unit.

**Process Unit Emissions** 

Estimated Emissions - No RE Over All %
Pollutant Pollutant Description Method: Factor: Tons/Yr: Capture Control

VOC VOLATILE ORGANIC COMPOUNDS 3 0.07398

Comment:

**Process Unit Information** 

Process Unit ID: 2 Stack #: 99

Description: BREATHING LOSS Description: FUGITIVE

Source Classification Code (SCC): 40301020

Description: Petroleum Product Storage at Refineries

Fixed Roof Tanks (Varying Sizes)

Distillate Fuel #2: Breathing Loss (250000 Bbl. Tank Size)

AP-42 Units: 1000 Gallon-Years Distillate Oil (No. 2)

Height: 0

Diameter: 0.00

Vent Height: 2

Velocity: 0.0

Exit Temp.: 0

Exit Temp.. 0

Fuel Quality: Percent Sulfur: 0.000 Percent Ash: 0.00 Heat Content: 1

Monthly Throughtput:

December: June: September:

January: April: July: October:

February: May: August: November:

Annual Throughtput: 3226.4 Units: 1000 Gallon-Years Distillate Oil (No. 2)

Comment:

**Process Unit Control Equipment** 

No Control Devices found for this Process Unit.

Estimated Emissions - No RE Method: Pollutant Description

Factor: Tons/Yr:

Over All % Capture Control

VOC

VOLATILE ORGANIC COMPOUNDS

3

0.21698

Comment:

Pollutant

**Group Information** 

Group Id:

Design Capacity:

006

Group Description: TANK #14- #2 FUEL OIL

Actual Operating Schedule for This Group:

Hours/Day

24 Start Time: 0001

Days/Week

7

Weeks/Year 52

End Time: 2359

Percent Quarterly Throughput:

Mar.- May Dec.-Feb.

25

Jun.- Aug. Sept.- Nov. 25 25

Desgin Cap. Units:

O3 Season Days 91

Comment:

25

**Process Unit Information** 

Process Unit ID:

1

1

Stack #: Description: FUGITIVE

Description: WORKING LOSS

Source Classification Code (SCC): 40301021

Description: Petroleum Product Storage at Refineries

Fixed Roof Tanks (Varying Sizes)

Distillate Fuel #2: Working Loss (Tank Diameter Independent) AP-42 Units: 1000 Gallons Distillate Oil (No. 2) Thro

Fuel Quality: Percent Sulfur: 0.000 Percent Ash:

0.00 Heat Content:

September:

Height: 0

Diameter: 0.00

Velocity: 0.0

Exit Temp.: 0 Flow Rate:

Vent Height: 2

December: January: February:

March: April:

May:

June: July:

October:

Annual Throughtput: 14486.4

Monthly Throughtput:

Pollutant Description

August:

November:

Units: 1000 Gallons Distillate Oil (No. 2) Thro

Comment:

**Process Unit Control Equipment** 

No Control Devices found for this Process Unit.

**Process Unit Emissions** 

Estimated Emissions - No RE Tons/Yr: Factor:

Over All % Capture Control

Pollutant VOC

**VOLATILE ORGANIC COMPOUNDS** 

Method: 3

0.10069

Comment:

2 **Process Unit ID:** Stack #: 99

Description: BREATHING LOSS Description: FUGITIVE

Source Classfiication Code (SCC): 40301020 Height: 0

Description: Petroleum Product Storage at Refineries Diameter: 0.00 Fixed Roof Tanks (Varying Sizes) Vent Height: 2

Distillate Fuel #2: Breathing Loss (250000 Bbl. Tank Size) Velocity: 0.0 AP-42 Units: 1000 Gallon-Years Distillate Oil (No. 2) Exit Temp.: 0 Flow Rate:

Heat Content: 1 Fuel Quality: Percent Sulfur: 0.000 Percent Ash: 0.00

Monthly Throughtput:

December: March: June: September:

October: April: July: January:

November: February: May: August:

Units: 1000 Gallon-Years Distillate Oil (No. 2) Annual Throughtput: 4391.4

Comment:

**Process Unit Control Equipment** 

No Control Devices found for this Process Unit.

**Process Unit Emissions** 

Estimated Emissions - No RE Over All % Tons/Yr: Method: Factor: Capture Control Pollutant Pollutant Description

3 VOC **VOLATILE ORGANIC COMPOUNDS** 0.2843

Comment:

**Group Information** 

Group Id: 007 Actual Operating Schedule for This Group:

Group Description: TANK #28- AVIATION GAS Hours/Day 24 Start Time: 0001

**Design Capacity:** Desgin Cap. Units: Days/Week 7

Weeks/Year 52 End Time: 2359 Percent Quarterly Throughput:

O3 Season Days 91

Dec.-Feb. Jun.- Aug. Mar.- May Sept.- Nov.

25

25

Comment:

25

25

Process Unit ID:

1

Stack #: 99

**Description: STANDING LOSS** 

Description: FUGITIVE

Source Classfiication Code (SCC): 40301153

Height: 0

Description: Petroleum Product Storage at Refineries

Diameter: 0.00

Floating Roof Tanks (Varying Sizes)

Vent Height: 2

Jet Naphtha (JP-4): Standing Loss - Internal

Velocity: 0.0

AP-42 Units: 1000 Gallon-Years Jet Naphtha Storage Ca

Exit Temp.: 0

Fuel Quality: Percent Sulfur: 0.000 Percent Ash:

**Heat Content:** 

Flow Rate:

Monthly Throughtput:

December: 0

March: 0

June: 0

1

September: 0

January: 0

April: 0

July: 0

October: 0

February: 0

May: 0

August: 0

November: 0

Annual Throughtput: 1300.7

Units: 1000 Gallon-Years Jet Naphtha Storage Ca

Comment:

## **Process Unit Control Equipment**

No Control Devices found for this Process Unit.

**Process Unit Emissions** 

Estimated Emissions - No RE

Over All %

Pollutant

Pollutant Description

Method:

Tons/Yr: Factor:

Capture Control

VOC

**VOLATILE ORGANIC COMPOUNDS** 

3

0.457435

Comment:

#### **Process Unit Information**

Process Unit ID:

2

Stack #: 99

Description: WITHDRAWAL LOSS

Description: FUGITIVE

Source Classification Code (SCC): 40301118

Height: 0 Diameter: 0.00

Description: Petroleum Product Storage at Refineries Floating Roof Tanks (Varying Sizes)

Vent Height: 2

Jet Naphtha (JP-4): Withdrawal Loss AP-42 Units: 1000 Gallons Jet Naphtha Throughput

Velocity: 0.0 Exit Temp.: 0

Fuel Quality: Percent Sulfur: 0.000 Percent Ash:

0.00 Heat Content: Flow Rate: 0

Monthly Throughtput:

December:

March:

June:

1

September:

January:

April:

July:

October:

February:

May:

August:

November:

Annual Throughtput: 1628.7

Units: 1000 Gallons Jet Naphtha Throughput

Comment:

## **Process Unit Control Equipment**

No Control Devices found for this Process Unit.

Estimated Emissions - No RE Method: Pollutant Description

Factor: Tons/Yr:

Over All % Capture Control

3 VOC VOLATILE ORGANIC COMPOUNDS 0.00217

Comment:

Pollutant

**Group Information** 

Group Id: 008

Actual Operating Schedule for This Group:

Group Description: TANK #101 - KEROSENE

Hours/Day 24 Start Time: 0001

End Time: 2359

Desgin Cap. Units:

Days/Week 7

Percent Quarterly Throughput:

Weeks/Year 52

Dec.-Feb. Mar.- May Jun.- Aug. Sept.- Nov.

25

O3 Season Days 91

25

Design Capacity:

25

25

Comment:

**Process Unit Information** 

Process Unit ID: 1 Stack #:

**Description: BREATHING LOSS** Description: FUGITIVE

Source Classification Code (SCC): 40301016 Height: 0

Description: Petroleum Product Storage at Refineries Diameter: 0.00 Fixed Roof Tanks (Varying Sizes) Vent Height: 2

Jet Kerosene: Breathing Loss (67000 Bbl. Tank Size) Velocity: 0.0 AP-42 Units: 1000 Gallon-Years Jet Kerosene Storage C Exit Temp.: 0

Flow Rate:

Heat Content: 1 Fuel Ouality: Percent Sulfur: 0.000 Percent Ash: 0.00

Monthly Throughtput:

December: March: June: September:

April: July: October: January:

August: November: February: May:

Units: 1000 Gallon-Years Jet Kerosene Storage C Annual Throughtput: 1236.4

Comment:

**Process Unit Control Equipment** 

No Control Devices found for this Process Unit.

**Process Unit Emissions** 

Estimated Emissions - No RE Over All % Tons/Yr: Pollutant Pollutant Description Method: Factor: Capture Control

VOC **VOLATILE ORGANIC COMPOUNDS** 3 0.082625

Comment:

Process Unit ID:

2

Stack #: 99

Description: WORKING LOSS

Description: FUGITIVE

Source Classification Code (SCC): 40301018

Height: 0

Description: Petroleum Product Storage at Refineries

Diameter: 0.00

Fixed Roof Tanks (Varying Sizes)

Vent Height: 2

Jet Kerosene: Working Loss (Tank Diameter Independent)

Velocity: 0.0 Exit Temp.: 0

AP-42 Units: 1000 Gallons Jet Kerosene Throughput

Fuel Quality: Percent Sulfur: 0.000

Percent Ash:

0.00 **Heat Content:**  Flow Rate:

Monthly Throughtput:

December:

March:

June:

1

September:

January:

April:

July:

October:

February:

May:

August:

November:

Annual Throughtput: 1644.61

Units: 1000 Gallons Jet Kerosene Throughput

Comment:

**Process Unit Control Equipment** 

No Control Devices found for this Process Unit.

**Process Unit Emissions** 

Estimated Emissions - No RE

Over All %

Pollutant

Pollutant Description

Factor: Method:

Tons/Yr:

Capture Control

VOC

**VOLATILE ORGANIC COMPOUNDS** 

3

0.013845

Comment:

## **Group Information**

Group Id:

009

Group Description: TANK #103- JET KEROSENE

Actual Operating Schedule for This Group:

Hours/Day 24 Start Time: 0001

Design Capacity:

Desgin Cap. Units:

Days/Week 7

Weeks/Year

52 **End Time: 2359** 

Percent Quarterly Throughput: Jun.- Aug. Dec.-Feb. Mar.- May

O3 Season Days

91

25

25

25

Sept.- Nov. 25

Comment:

Process Unit ID:

1

Description: BREATHING LOSS

Stack #:

Source Classification Code (SCC): 40301016

1

Description: FUGITIVE

Description: Petroleum Product Storage at Refineries

Height: 0 Diameter: 0.00

Fixed Roof Tanks (Varying Sizes)

Vent Height: 2

Jet Kerosene: Breathing Loss (67000 Bbl. Tank Size)

Velocity: 0.0

AP-42 Units: 1000 Gallon-Years Jet Kerosene Storage C

Exit Temp.: 0

Fuel Quality: Percent Sulfur: 0.000

Percent Ash:

0.00 **Heat Content:**  Flow Rate:

Monthly Throughtput:

December:

March:

June:

September:

January:

April:

July:

October:

February:

May:

August:

November:

Annual Throughtput: 585.48

Units: 1000 Gallon-Years Jet Kerosene Storage C

Comment:

## **Process Unit Control Equipment**

No Control Devices found for this Process Unit.

#### **Process Unit Emissions**

Factor:

Estimated Emissions - No RE Over All %

Pollutant

Pollutant Description

Method:

Tons/Yr:

Capture Control

VOC

VOLATILE ORGANIC COMPOUNDS

3

0.036545

Comment:

#### **Process Unit Information**

Process Unit ID:

2

Stack #: 99

**Description: WORKING LOSS** 

Description: FUGITIVE

Source Classification Code (SCC): 40301018

Height: 0

Description: Petroleum Product Storage at Refineries

Diameter: 0.00

Fixed Roof Tanks (Varying Sizes)

Vent Height: 2

Jet Kerosene: Working Loss (Tank Diameter Independent) AP-42 Units: 1000 Gallons Jet Kerosene Throughput

Velocity: 0.0 Exit Temp.: 0

Fuel Quality: Percent Sulfur: 0.000

Percent Ash:

0.00 **Heat Content:**  Flow Rate:

Monthly Throughtput:

December:

March:

June:

1

September:

January:

April:

July:

October:

February:

May:

August:

November:

Annual Throughtput: 2427.97

Units: 1000 Gallons Jet Kerosene Throughput

Comment:

## **Process Unit Control Equipment**

No Control Devices found for this Process Unit.

Estimated Emissions - No RE Method: Pollutant Description

Factor: Tons/Yr:

Over All % Capture Control

3 VOC **VOLATILE ORGANIC COMPOUNDS** 0.02044

Comment:

Pollutant

**Group Information** 

Group Id: 010 Actual Operating Schedule for This Group:

> Hours/Day 24 Start Time: 0001

Design Capacity: Desgin Cap. Units: Days/Week 7

Weeks/Year End Time: 2359 52 Percent Quarterly Throughput:

O3 Season Days 91 Dec.-Feb. Mar.- May Jun.- Aug. Sept.- Nov.

25 25 25 25

Group Description: TANK #104 - ULSD

Comment:

**Process Unit Information** 

Process Unit ID: 1 Stack #: 99

Description: BREATHING LOSS Description: FUGITIVE

Source Classfiication Code (SCC): 40301020 Height: 0

Description: Petroleum Product Storage at Refineries Diameter: 0.00

Fixed Roof Tanks (Varying Sizes) Vent Height: 2 Distillate Fuel #2: Breathing Loss (250000 Bbl. Tank Size) Velocity: 0.0

AP-42 Units: 1000 Gallon-Years Distillate Oil (No. 2) Exit Temp.: 0 Flow Rate:

Fuel Quality: Percent Sulfur: 0.000 1 Percent Ash: 0.00 Heat Content:

Monthly Throughtput:

March: June: December: September:

October: April: July: January:

August: November: February: May:

Units: 1000 Gallon-Years Distillate Oil (No. 2) Annual Throughtput: 1572.3

Comment:

**Process Unit Control Equipment** 

No Control Devices found for this Process Unit.

**Process Unit Emissions** 

Estimated Emissions - No RE Over All % Tons/Yr: Pollutant Pollutant Description Method: Factor: Capture Control

VOC **VOLATILE ORGANIC COMPOUNDS** 3 0.070795

Comment:

Process Unit ID:

2

**Description: WORKING LOSS** 

Stack #: 99

Description: FUGITIVE

Source Classification Code (SCC): 40301021

Description: Petroleum Product Storage at Refineries

Height: 0 Diameter: 0.00

Fixed Roof Tanks (Varying Sizes)

Vent Height: 2

Distillate Fuel #2: Working Loss (Tank Diameter Independent)

Velocity: 0.0

AP-42 Units: 1000 Gallons Distillate Oil (No. 2) Thro

Exit Temp.: 0

Fuel Quality: Percent Sulfur: 0.000

Percent Ash:

**Heat Content:** 0.00

Flow Rate:

Monthly Throughtput:

December: 0

March: 0

June: 0

1

September: 0

January: 0

April: 0

July: 0

October: 0

February: 0

May: 0

August: 0

November: 0

Annual Throughtput: 4882.27

Units: 1000 Gallons Distillate Oil (No. 2) Thro

Comment:

## **Process Unit Control Equipment**

No Control Devices found for this Process Unit.

**Process Unit Emissions** 

Estimated Emissions - No RE

Over All %

Pollutant

Pollutant Description

Method:

Tons/Yr: Factor:

Capture Control

VOC

**VOLATILE ORGANIC COMPOUNDS** 

3

0.03088

Actual Operating Schedule for This Group:

Comment:

## **Group Information**

Group Id:

011

Group Description: TANK #105 - #2 FUEL OIL

Hours/Day

Start Time: 0001 24

Design Capacity:

Desgin Cap. Units:

Days/Week

7 52 End Time: 2359

Dec.-Feb.

Percent Quarterly Throughput:

Mar.- May

Jun.- Aug. Sept.- Nov.

Weeks/Year O3 Season Days 91

25

25

25

25

Comment:

06/26/2009 10:01:34

Height: 0

1 Process Unit ID:

Stack #: 99

Description: FUGITIVE **Description: BREATHING LOSS** 

Source Classification Code (SCC): 40301020

Description: Petroleum Product Storage at Refineries Diameter: 0.00 Fixed Roof Tanks (Varying Sizes) Vent Height: 2 Distillate Fuel #2: Breathing Loss (250000 Bbl. Tank Size) Velocity: 0.0

AP-42 Units: 1000 Gallon-Years Distillate Oil (No. 2) Exit Temp.: 0 Flow Rate:

Heat Content: 1 Fuel Quality: Percent Sulfur: 0.000 Percent Ash: 0.00

Monthly Throughtput:

December: March: June: September:

January: April: July: October:

November: February: May: August:

Units: 1000 Gallon-Years Distillate Oil (No. 2) Annual Throughtput: 3757.5

Comment:

**Process Unit Control Equipment** 

No Control Devices found for this Process Unit.

**Process Unit Emissions** 

Estimated Emissions - No RE Over All % Tons/Yr: Method: Factor: Capture Control Pollutant Pollutant Description

VOC **VOLATILE ORGANIC COMPOUNDS** 3 0.17936

Comment:

**Process Unit Information** 

Process Unit ID: Stack #: 99

**Description: WORKING LOSS** Description: FUGITIVE

Source Classfiication Code (SCC): 40301021 Height: 0 Description: Petroleum Product Storage at Refineries Diameter: 0.00 Fixed Roof Tanks (Varying Sizes) Vent Height: 2

Distillate Fuel #2: Working Loss (Tank Diameter Independent) Velocity: 0.0 AP-42 Units: 1000 Gallons Distillate Oil (No. 2) Thro Exit Temp.: 0

Flow Rate: Fuel Quality: Percent Sulfur: 0.000 Percent Ash: 0.00 Heat Content: 1

Monthly Throughtput:

December: March: June: September: January: April: October: July:

November: February: May: August:

Annual Throughtput: 12395.3 Units: 1000 Gallons Distillate Oil (No. 2) Thro

Comment:

**Process Unit Control Equipment** 

No Control Devices found for this Process Unit.

Estimated Emissions - No RE

Factor:

Over All %

Pollutant Description Pollutant

Method:

Tons/Yr:

Capture Control

VOC

VOLATILE ORGANIC COMPOUNDS

3

0.0784

Comment:

**Group Information** 

Group Id:

012

Group Description: TANK #111 - #2 FUEL OIL

Actual Operating Schedule for This Group:

Hours/Day

Start Time: 0001 24

Days/Week 7

Weeks/Year 52 End Time: 2359

O3 Season Days 91

Dec.-Feb.

Percent Quarterly Throughput: Mar.- May

Jun.- Aug. Sept.- Nov.

Desgin Cap. Units:

25

25

25

Comment:

**Process Unit Information** 

Process Unit ID:

Design Capacity:

1

Stack #: 99

Description: WORKING LOSS

Fixed Roof Tanks (Varying Sizes)

Description: FUGITIVE

Source Classification Code (SCC): 40301021

Description: Petroleum Product Storage at Refineries

25

Distillate Fuel #2: Working Loss (Tank Diameter Independent) AP-42 Units: 1000 Gallons Distillate Oil (No. 2) Thro

Vent Height: 2 Velocity: 0.0 Exit Temp.: 0

Flow Rate:

Height: 0

Diameter: 0.00

**Heat Content:** 0.00 Fuel Quality: Percent Sulfur: 0.000 Percent Ash:

Monthly Throughtput:

December:

March:

June:

1

September:

January:

April:

July:

October:

February:

May:

August:

November:

Annual Throughtput: 6920.04

Units: 1000 Gallons Distillate Oil (No. 2) Thro

Comment:

**Process Unit Control Equipment** 

No Control Devices found for this Process Unit.

**Process Unit Emissions** 

Estimated Emissions - No RE

Pollutant Pollutant Description Method:

Tons/Yr: Factor:

VOC

VOLATILE ORGANIC COMPOUNDS

3

0.04377

Over All %

Capture Control

Comment:

Process Unit ID:

2

Stack #: 99

Description: BREATHING LOSS

Description: FUGITIVE

Source Classfiication Code (SCC): 40301020

Height: 0

Description: Petroleum Product Storage at Refineries

Diameter: 0.00

Fixed Roof Tanks (Varying Sizes)

Vent Height: 2 Velocity: 0.0

Distillate Fuel #2: Breathing Loss (250000 Bbl. Tank Size) AP-42 Units: 1000 Gallon-Years Distillate Oil (No. 2)

Exit Temp.: 0

1

Heat Content: 0.00 Fuel Quality: Percent Sulfur: 0.000 Percent Ash:

Flow Rate:

Monthly Throughtput:

December:

March:

June:

September:

January:

April:

July:

October:

February:

May:

August:

November:

Annual Throughtput: 2097.7

Units: 1000 Gallon-Years Distillate Oil (No. 2)

Comment:

**Process Unit Control Equipment** 

No Control Devices found for this Process Unit.

**Process Unit Emissions** 

Estimated Emissions - No RE Tons/Yr:

Over All % Capture Control

Pollutant VOC

**VOLATILE ORGANIC COMPOUNDS** 

Factor: Method:

0.10097

Comment:

**Group Information** 

3

Group Id:

013

Group Description: TANK #112 - KEROSENE

Pollutant Description

Actual Operating Schedule for This Group:

Design Capacity:

Desgin Cap. Units:

Hours/Day 24 Start Time: 0001

Days/Week 7

Weeks/Year 52

Percent Quarterly Throughput:

Dec.-Feb. Mar.- May

End Time: 2359 O3 Season Days 91

25

25

Jun.- Aug. 25

Sept.- Nov. 25

Comment:

Process Unit ID:

Stack #:

**Description: WORKING LOSS** 

99

Source Classification Code (SCC): 40301018

Description: FUGITIVE

Description: Petroleum Product Storage at Refineries

Height: 0 Diameter: 0.00

Fixed Roof Tanks (Varying Sizes)

Vent Height: 2

Jet Kerosene: Working Loss (Tank Diameter Independent) AP-42 Units: 1000 Gallons Jet Kerosene Throughput

Velocity: 0.0 Exit Temp.: 0

Fuel Quality: Percent Sulfur: 0.000 Percent Ash:

**Heat Content:** 0.00

Flow Rate:

Monthly Throughtput:

March:

June:

1

September:

December: January:

April:

July:

October:

February:

May:

August:

November:

Annual Throughtput: 10194.2

Units: 1000 Gallons Jet Kerosene Throughput

Comment:

**Process Unit Control Equipment** 

No Control Devices found for this Process Unit.

**Process Unit Emissions** 

Estimated Emissions - No RE

Factor:

1

Over All %

Pollutant

Pollutant Description

Method:

Tons/Yr:

Capture Control

VOC

**VOLATILE ORGANIC COMPOUNDS** 

3

0.085815

Comment:

**Process Unit Information** 

Process Unit ID:

2

Stack #: 99

Description: BREATHING LOSS

Description: FUGITIVE

Source Classification Code (SCC): 40301016

Height: 0

Description: Petroleum Product Storage at Refineries

Diameter: 0.00 Vent Height: 2

Fixed Roof Tanks (Varying Sizes) Jet Kerosene: Breathing Loss (67000 Bbl. Tank Size)

Velocity: 0.0

AP-42 Units: 1000 Gallon-Years Jet Kerosene Storage C

Exit Temp.: 0

Fuel Quality: Percent Sulfur: 0.000 Percent Ash:

Heat Content:

Flow Rate:

Monthly Throughtput:

March:

June:

September:

December: January:

April:

July:

October:

February:

May:

August:

November:

Annual Throughtput: 2458.2

Units: 1000 Gallon-Years Jet Kerosene Storage C

0.00

Comment:

**Process Unit Control Equipment** 

No Control Devices found for this Process Unit.

Page 20 06/26/2009 10:01:34

Estimated Emissions - No RE Method: Pollutant Description Pollutant

Tons/Yr: Factor:

Over All % Capture Control

VOC

**VOLATILE ORGANIC COMPOUNDS** 

Desgin Cap. Units:

25

3

0.15475

Comment:

**Group Information** 

Group Id:

014

Group Description: TANK #113 - JET KEROSENE

Actual Operating Schedule for This Group:

Hours/Day

24 Start Time: 0001

Days/Week

7

Weeks/Year 52

End Time: 2359

Percent Quarterly Throughput:

Dec.-Feb.

Mar.- May Jun.- Aug.

25

Sept.- Nov. 25

O3 Season Days 91

Comment:

25

Design Capacity:

**Process Unit Information** 

Process Unit ID:

1

Stack #: 99

**Description: WORKING LOSS** 

Source Classification Code (SCC): 40301018

Description: Petroleum Product Storage at Refineries

Fixed Roof Tanks (Varying Sizes)

Jet Kerosene: Working Loss (Tank Diameter Independent) AP-42 Units: 1000 Gallons Jet Kerosene Throughput

Percent Ash:

**Heat Content:** 0.00

Vent Height: 2

Description: FUGITIVE

Velocity: 0.0 Exit Temp.: 0

Height: 0

Diameter: 0.00

Flow Rate:

Fuel Quality: Percent Sulfur: 0.000 Monthly Throughtput:

December:

March:

June:

1

September:

January:

April:

July:

October:

February:

May:

August:

November:

Annual Throughtput: 10397.8

Units: 1000 Gallons Jet Kerosene Throughput

Comment:

**Process Unit Control Equipment** 

No Control Devices found for this Process Unit.

**Process Unit Emissions** 

Estimated Emissions - No RE

Over All %

Pollutant VOC

**VOLATILE ORGANIC COMPOUNDS** 

Method:

Tons/Yr: Factor:

Capture Control

3

Comment:

Pollutant Description

0.08753

Process Unit ID:

2

Description: BREATHING LOSS

Stack #: 99

Description: FUGITIVE

Source Classification Code (SCC): 40301016

Height: 0

Description: Petroleum Product Storage at Refineries

Diameter: 0.00

Fixed Roof Tanks (Varying Sizes)

Vent Height: 2

Jet Kerosene: Breathing Loss (67000 Bbl. Tank Size) AP-42 Units: 1000 Gallon-Years Jet Kerosene Storage C

Velocity: 0.0 Exit Temp.: 0

Fuel Quality: Percent Sulfur: 0.000 Percent Ash:

**Heat Content:** 0.00

Flow Rate:

Monthly Throughtput:

December: 0

March: 0

June: 0

1

September: 0

January: 0

April: 0

July: 0

October: 0

February: 0

May: 0

August: 0

November: 0

Annual Throughtput: 2507.3

Units: 1000 Gallon-Years Jet Kerosene Storage C

Comment:

## **Process Unit Control Equipment**

No Control Devices found for this Process Unit.

#### **Process Unit Emissions**

Estimated Emissions - No RE Factor:

Over All %

Pollutant VOC

**VOLATILE ORGANIC COMPOUNDS** 

Method:

3

Tons/Yr: 0.15475

Capture Control

Comment:

## **Group Information**

Group Id:

015

Pollutant Description

Group Description: TANK #114 - KEROSENE

Actual Operating Schedule for This Group:

Design Capacity:

Desgin Cap. Units:

Hours/Day 24 Start Time: 0001 7

Percent Quarterly Throughput:

Days/Week Weeks/Year

52 End Time: 2359

Page 22

Dec.-Feb. Mar.- May

25

Jun.- Aug. 25

Sept.- Nov. 25

O3 Season Days 91

Comment:

25

06/26/2009 10:01:34

Process Unit ID: 1 Stack #: 99

Description: WORKING LOSS Description: FUGITIVE

Source Classification Code (SCC): 40301018

Height: 0

Description: Petroleum Product Storage at Refineries

Fixed Roof Tanks (Varying Sizes)

Let Kerosene: Working Loss (Tank Diameter Independent)

Velocity: 0.0

Jet Kerosene: Working Loss (Tank Diameter Independent)

AP-42 Units: 1000 Gallons Jet Kerosene Throughput

Exit Temp.: 0

Flow Rate: 0

Fuel Quality: Percent Sulfur: 0.000 Percent Ash: 0.00 Heat Content: 1

Monthly Throughtput:

December: June: September: January: April: July: October:

February: May: August: November:

Annual Throughtput: 3336.6 Units: 1000 Gallons Jet Kerosene Throughput

Comment:

**Process Unit Control Equipment** 

No Control Devices found for this Process Unit.

**Process Unit Emissions** 

Pollutant Pollutant Description Method: Estimated Emissions - No RE Over All %

Pollutant Pollutant Description Method: Factor: Tons/Yr: Capture Control

VOC VOLATILE ORGANIC COMPOUNDS 3 0.02809

Comment:

**Process Unit Information** 

Process Unit ID: 2 Stack #: 99

Description: BREATHING LOSS Description: FUGITIVE

Source Classification Code (SCC): 40301016

Description: Petroleum Product Storage at Refineries

Fixed Roof Tanks (Varying Sizes)

Jet Kerosene: Breathing Loss (67000 Bbl. Tank Size)

AP-42 Units: 1000 Gallon-Years Jet Kerosene Storage C

Height: 0

Diameter: 0.00

Vent Height: 2

Velocity: 0.0

Exit Temp.: 0

Flow Rate: 0

Fuel Quality: Percent Sulfur: 0.000 Percent Ash: 0.00 Heat Content: 1

Monthly Throughtput:

December: March: June: September:

January: April: July: October:

February: May: August: November:

Annual Throughtput: 2508.49 Units: 1000 Gallon-Years Jet Kerosene Storage C

Comment:

**Process Unit Control Equipment** 

No Control Devices found for this Process Unit.

Estimated Emissions - No RE

Factor:

Over All %

Pollutant Description Pollutant

Method:

Tons/Yr:

Capture Control

VOC

**VOLATILE ORGANIC COMPOUNDS** 

3

0.15475

Comment:

**Group Information** 

Group Id:

016

Group Description: TANK #1 - BIODIESEL

Actual Operating Schedule for This Group:

Hours/Day

24 Start Time: 0001

Days/Week 7

Weeks/Year 52

End Time: 2359

Percent Quarterly Throughput:

Dec.-Feb.

Mar.- May 25

Sept.- Nov. Jun.- Aug.

25

Desgin Cap. Units:

25

O3 Season Days 91

Comment:

25

**Process Unit Information** 

Process Unit ID:

Design Capacity:

Stack #: 99

Description: BREATHING LOSS

Description: FUGITIVE

Source Classification Code (SCC): 40301020

Height: 0 Diameter: 0.00

Description: Petroleum Product Storage at Refineries Fixed Roof Tanks (Varying Sizes)

Vent Height: 2

Distillate Fuel #2: Breathing Loss (250000 Bbl. Tank Size) AP-42 Units: 1000 Gallon-Years Distillate Oil (No. 2)

Velocity: 0.0 Exit Temp.: 0

Flow Rate:

Fuel Quality: Percent Sulfur: 0.000 Percent Ash: Heat Content: 1 0.00

Monthly Throughtput:

December: 0

March: 0

June: 0

September: 0

January: 0

April: 0

July: 0

October: 0

February: 0

May: 0

August: 0

November: 0

Annual Throughtput: 28.764

Pollutant Description

Units: 1000 Gallon-Years Distillate Oil (No. 2)

Comment:

**Process Unit Control Equipment** 

No Control Devices found for this Process Unit.

**Process Unit Emissions** 

Estimated Emissions - No RE

Factor: Tons/Yr:

Over All % Capture Control

Pollutant VOC

VOLATILE ORGANIC COMPOUNDS

Method: 3

0.21743

Comment:

Page 24 06/26/2009 10:01:34

Process Unit ID:

2

**Description: WORKING LOSS** 

Stack #: 99

Description: FUGITIVE

Source Classification Code (SCC): 40301021

Description: Petroleum Product Storage at Refineries

Height: 0 Diameter: 0.00

Fixed Roof Tanks (Varying Sizes)

Distillate Fuel #2: Working Loss (Tank Diameter Independent)

Vent Height: 2 Velocity: 0.0

AP-42 Units: 1000 Gallons Distillate Oil (No. 2) Thro

Exit Temp.: 0

Fuel Quality: Percent Sulfur: 0.000 Percent Ash:

Heat Content:

Flow Rate:

Monthly Throughtput:

December: 0

March: 0

June: 0

1

September: 0

January: 0

April: 0

July: 0

October: 0

February: 0

May: 0

August: 0

November: 0

Annual Throughtput: 164.993

Pollutant Description

Units: 1000 Gallons Distillate Oil (No. 2) Thro

0.00

Comment:

## **Process Unit Control Equipment**

No Control Devices found for this Process Unit.

#### **Process Unit Emissions**

Method:

Estimated Emissions - No RE Tons/Yr:

Over All % Capture Control

Pollutant VOC

**VOLATILE ORGANIC COMPOUNDS** 

Factor:

0.001045

Comment:

## **Group Information**

3

Group Id:

017

Group Description: TANK #118 - #2 FUEL OIL

Actual Operating Schedule for This Group:

Hours/Day 24 Start Time: 0001

Design Capacity:

Desgin Cap. Units:

25

Days/Week 7 52

End Time: 2359

Percent Quarterly Throughput:

Dec.-Feb.

Mar.- May

25

Jun.- Aug. Sept.- Nov.

25

Weeks/Year O3 Season Days 91

Comment:

25

Process Unit ID:

1

Description: BREATHING LOSS

Stack #: 99

Description: FUGITIVE

Source Classification Code (SCC): 40301020

Description: Petroleum Product Storage at Refineries

Height: Diameter: 0.00

Fixed Roof Tanks (Varying Sizes)

Vent Height: 2 Velocity: 0.0

Distillate Fuel #2: Breathing Loss (250000 Bbl. Tank Size) AP-42 Units: 1000 Gallon-Years Distillate Oil (No. 2)

Exit Temp.: 0

Fuel Quality: Percent Sulfur: 0.000 Percent Ash:

0.00

Heat Content: 1 Flow Rate:

Monthly Throughtput:

December:

March:

June:

September:

January:

April:

July:

October:

February:

May:

August:

November:

Annual Throughtput: 3876.18

Units: 1000 Gallon-Years Distillate Oil (No. 2)

Comment:

**Process Unit Control Equipment** 

No Control Devices found for this Process Unit.

**Process Unit Emissions** 

Factor:

Estimated Emissions - No RE Over All %

Pollutant

Pollutant Description

Method:

Tons/Yr:

Capture Control

VOC

**VOLATILE ORGANIC COMPOUNDS** 

3

0.18422

Comment:

**Process Unit Information** 

Process Unit ID:

2

Stack #: 99

Description: WORKING LOSS

AP-42 Units: 1000 Gallons Distillate Oil (No. 2) Thro

Description: FUGITIVE

Source Classification Code (SCC): 40301021

Height: 0

Description: Petroleum Product Storage at Refineries

Diameter: 0.00

Vent Height: 2

Fixed Roof Tanks (Varying Sizes)

Distillate Fuel #2: Working Loss (Tank Diameter Independent)

Velocity: 0.0

Exit Temp.: 0

Fuel Quality: Percent Sulfur: 0.000 Percent Ash:

**Heat Content:** 0.00

Flow Rate:

Monthly Throughtput:

December:

March:

June:

1

September:

January:

April:

July:

October:

February:

10:01:34

May:

August:

November:

Annual Throughtput: 12786.8

No Control Devices found for this Process Unit.

Page 26

Units: 1000 Gallons Distillate Oil (No. 2) Thro

Comment:

06/26/2009

**Process Unit Control Equipment** 

Estimated Emissions - No RE

Method:

stimated Emissions - No RE Over All %
Factor: Tons/Yr: Capture Control

VOC VOLATILE ORGANIC COMPOUNDS 3 0.08088

Comment:

Pollutant

**Group Information** 

Group Id: 018
Group Description: TANK 42 - #2 OIL

Actual Operating Schedule for This Group:

Hours/Day 24 Start Time: 0001

Design Capacity: Desgin Cap. Units: Days/Week 7

Percent Quarterly Throughput: Weeks/Year 52 End Time: 2359

Dec.-Feb. Mar.- May Jun.- Aug. Sept.- Nov. O3 Season Days 91

25 25 25 25

Pollutant Description

Comment:

**Process Unit Information** 

Process Unit ID: 1 Stack #: 99

Description: WORKING LOSS Description: FUGITIVE

Source Classification Code (SCC): 40301021 Height: 0

Description: Petroleum Product Storage at Refineries Diameter: 0.00

Fixed Roof Tanks (Varying Sizes)

Vent Height: 2

Distillate Fuel #2: Working Loss (Tank Diameter Independent)

AP.42 Units: 1000 Gallons Distillate Oil (No. 2) Thro

AP-42 Units: 1000 Gallons Distillate Oil (No. 2) Thro

Exit Temp.: 0

Flow Rate: 0

Fuel Quality: Percent Sulfur: 0.000 Percent Ash: 0.00 Heat Content: 1

Monthly Throughtput:

December: June: September:

January: April: July: October:

February: May: August: November:

Annual Throughtput: 20560.1 Units: 1000 Gallons Distillate Oil (No. 2) Thro

Comment:

**Process Unit Control Equipment** 

No Control Devices found for this Process Unit.

**Process Unit Emissions** 

Estimated Emissions - No RE Over All %

Pollutant Pollutant Description Method; Factor: Tons/Yr: Capture Control

VOC VOLATILE ORGANIC COMPOUNDS 3 0.130045

Comment:

Process Unit ID:

2

**Description: BREATHING LOSS** 

Stack #: 99

Description: FUGITIVE

Source Classification Code (SCC): 40301020

Height: 0

Description: Petroleum Product Storage at Refineries

Diameter: 0.00

Fixed Roof Tanks (Varying Sizes)

Vent Height: 2

Distillate Fuel #2: Breathing Loss (250000 Bbl. Tank Size)

Velocity: 0.0

AP-42 Units: 1000 Gallon-Years Distillate Oil (No. 2)

Exit Temp.: 0

Fuel Quality: Percent Sulfur: 0.000 Percent Ash:

0.00 **Heat Content:**  Flow Rate:

Monthly Throughtput:

December:

March:

June:

1

January:

September:

April:

July:

October:

February:

May:

August:

November:

Annual Throughtput: 6232.55

Pollutant Description

Units: 1000 Gallon-Years Distillate Oil (No. 2)

Comment:

## **Process Unit Control Equipment**

No Control Devices found for this Process Unit.

#### **Process Unit Emissions**

Estimated Emissions - No RE Tons/Yr: Factor:

Over All % Capture Control

Page 28

Pollutant VOC

**VOLATILE ORGANIC COMPOUNDS** 

Method:

3

0.26181

Comment:

## **Group Information**

Group Id:

019

Group Description: TANK #2 - BIODIESEL

Actual Operating Schedule for This Group:

Hours/Day 24 Start Time: 0001

Design Capacity:

Desgin Cap. Units:

Davs/Week 7

Percent Quarterly Throughput:

Weeks/Year 52

End Time: 2359 O3 Season Days 91

Dec.-Feb. 25

Mar.- May 25

Jun.- Aug. 25

Sept.- Nov. 25

Comment:

06/26/2009 10:01:34

Process Unit ID:

Stack #: 99

**Description: BREATHING LOSS** 

Description: FUGITIVE

Source Classification Code (SCC): 40301020 Description: Petroleum Product Storage at Refineries

Height: 0 Diameter: 0.00

Fixed Roof Tanks (Varying Sizes)

Distillate Fuel #2: Breathing Loss (250000 Bbl. Tank Size)

Vent Height: 2 Velocity: 0.0

AP-42 Units: 1000 Gallon-Years Distillate Oil (No. 2)

**Heat Content:** 0.00

Exit Temp.: 0 Flow Rate:

Fuel Quality: Percent Sulfur: 0.000 Percent Ash: Monthly Throughtput:

December: 0

March: 0

June: 0

1

September: 0

January: 0

April: 0

July: 0

October: 0

February: 0

May: 0

August: 0

November: 0

Annual Throughtput: 9.5

Units: 1000 Gallon-Years Distillate Oil (No. 2)

Comment:

**Process Unit Control Equipment** 

No Control Devices found for this Process Unit.

**Process Unit Emissions** 

Estimated Emissions - No RE

Over All %

Pollutant

Pollutant Description

Method:

Factor: Tons/Yr: Capture Control

VOC

**VOLATILE ORGANIC COMPOUNDS** 

3

0.21743

Comment:

**Process Unit Information** 

Process Unit ID:

2

Stack #:

99

Description: WORKING LOSS

Source Classfiication Code (SCC): 40301021

Description: FUGITIVE

Description: Petroleum Product Storage at Refineries

Height: 0 Diameter: 0.00

Fixed Roof Tanks (Varying Sizes)

Vent Height: 2

Velocity: 0.0

Distillate Fuel #2: Working Loss (Tank Diameter Independent) AP-42 Units: 1000 Gallons Distillate Oil (No. 2) Thro

Exit Temp.: 0

Fuel Quality: Percent Sulfur: 0.000 Percent Ash:

**Heat Content:** 0.00

Flow Rate:

Monthly Throughtput:

December: 0

March: 0

June: 0

1

September: 0

January: 0 February: 0 April: 0 May: 0 July: 0

August: 0

October: 0 November: 0

Annual Throughtput: 54.493

Units: 1000 Gallons Distillate Oil (No. 2) Thro

Comment:

**Process Unit Control Equipment** 

No Control Devices found for this Process Unit.

06/26/2009 Page 29 10:01:34

Estimated Emissions - No RE Method: Pollutant Description

Tons/Yr: Factor:

Over All % Capture Control

VOC

VOLATILE ORGANIC COMPOUNDS

3

3.45e-4

Comment:

Pollutant

**Group Information** 

Group Id:

Design Capacity:

020

Group Description: TANK #7 - 6 OIL

Actual Operating Schedule for This Group:

Hours/Day

24 Start Time: 0001

Days/Week 7

Weeks/Year 52

O3 Season Days 91

End Time: 2359

Percent Quarterly Throughput:

Dec.-Feb.

Mar.- May

Jun.- Aug. Sept.- Nov.

25

25

25

Desgin Cap. Units:

25

Comment:

**Process Unit Information** 

Process Unit ID:

1

Stack #: 99

**Description: BREATHING LOSS** 

Source Classfiication Code (SCC): 40301065

Description: FUGITIVE Height: 0

Description: Petroleum Product Storage at Refineries

Diameter: 0.00

Fixed Roof Tanks (Varying Sizes)

Vent Height: 2

Grade 6 Fuel Oil: Breathing Loss (250000 Bbl. Tank Size)

Velocity: 0.0 Exit Temp.: 0

AP-42 Units: 1000 Gallon-Years Residual Oil (No. 6) S

**Heat Content:** 1 0.00

Flow Rate:

Fuel Quality: Percent Sulfur: 0.000 Percent Ash: Monthly Throughtput:

December: 0

March: 0

June: 0

September: 0

January: 0

February: 0

April: 0

July: 0

October: 0

Annual Throughtput: 3800

May: 0

August: 0

November: 0

Units: 1000 Gallon-Years Residual Oil (No. 6) S

Comment:

**Process Unit Control Equipment** 

No Control Devices found for this Process Unit.

**Process Unit Emissions** 

Estimated Emissions - No RE

Factor:

Tons/Yr:

Over All % Capture Control

Pollutant

**VOLATILE ORGANIC COMPOUNDS** 

Pollutant Description

Method: 5

Comment:

VOC

Flow Rate:

Process Unit ID: 2 Stack #: 99

Description: WORKING LOSS Description: FUGITIVE

Source Classification Code (SCC): 40301075

Height: 0

Description: Petroleum Product Storage at Refineries Diameter: 0.00 Fixed Roof Tanks (Varying Sizes) Vent Height: 2

Grade 6 Fuel Oil: Working Loss (Independent Tank Diameter)

AP-42 Units: 1000 Gallons Residual Oil (No. 6) Throug

Exit Temp.: 0

Fuel Quality: Percent Sulfur: 0.000 Percent Ash: 0.00 Heat Content: 1

Monthly Throughtput:

December: 0 March: 0 June: 0 September: 0

January: 0 April: 0 July: 0 October: 0

February: 0 May: 0 August: 0 November: 0

Annual Throughtput: 18982 Units: 1000 Gallons Residual Oil (No. 6) Throug

Comment:

**Process Unit Control Equipment** 

No Control Devices found for this Process Unit.

**Process Unit Emissions** 

Pollutant Pollutant Description Method: Estimated Emissions - No RE Over All %

Method: Factor: Tons/Yr: Capture Control

VOC VOLATILE ORGANIC COMPOUNDS 5 0.00086

Comment:

**Group Information** 

Group Id: 022

Actual Operating Schedule for This Group:

Group Description: TANK 210 - BOILER #2 OIL

Hours/Day 24 Start Time: 0001

Design Capacity: Desgin Cap. Units: Days/Week 7

Percent Quarterly Throughput:

Weeks/Year 52 End Time: 2359

Dec.-Feb. Mar.- May Jun.- Aug. Sept.- Nov. O3 Season Days 91

25

Comment:

25

25

25

Process Unit ID: 1

Description: BREATHING LOSS

Stack #: 99

Description: FUGITIVE

Source Classfiication Code (SCC): 40301020

Description: Petroleum Product Storage at Refineries

Diameter: 0.00

Fixed Roof Tanks (Varying Sizes)

Distillate Fuel #2: Breathing Loss (250000 Bbl. Tank Size) AP-42 Units: 1000 Gallon-Years Distillate Oil (No. 2)

Vent Height: 2 Velocity: 0.0

Height: 0

Exit Temp.: 0

Fuel Quality: Percent Sulfur: 0.000 Percent Ash:

0.00 **Heat Content:**  Flow Rate:

Monthly Throughtput:

December:

March:

June:

1

September:

January:

April:

July:

October:

February:

May:

August:

November:

Annual Throughtput: 20

Units: 1000 Gallon-Years Distillate Oil (No. 2)

Comment:

**Process Unit Control Equipment** 

No Control Devices found for this Process Unit.

**Process Unit Emissions** 

Estimated Emissions - No RE

Factor:

1

Over All %

<u>Pollutant</u>

Pollutant Description

Method:

Tons/Yr:

Capture Control

VOC

**VOLATILE ORGANIC COMPOUNDS** 

3

0.00164

Comment:

**Process Unit Information** 

Process Unit ID:

2

Stack #: 99

**Description: WORKING LOSS** 

Description: FUGITIVE

Source Classification Code (SCC): 40301021

Height: 0

Description: Petroleum Product Storage at Refineries

Diameter: 0.00

Fixed Roof Tanks (Varying Sizes)

Vent Height: 2

Distillate Fuel #2: Working Loss (Tank Diameter Independent)

Velocity: 0.0

AP-42 Units: 1000 Gallons Distillate Oil (No. 2) Thro

Exit Temp.: 0

Fuel Quality: Percent Sulfur: 0.000 Percent Ash: 0.00

Heat Content:

Flow Rate:

Monthly Throughtput:

December:

March:

June:

September:

January:

April:

July:

October:

February:

May:

August:

November:

Annual Throughtput: 401.554 Units: 1000 Gallons Distillate Oil (No. 2) Thro

Comment:

**Process Unit Control Equipment** 

No Control Devices found for this Process Unit.

Estimated Emissions - No RE Method: Pollutant Pollutant Description

Factor: Tons/Yr:

Over All % Capture Control

VOC

**VOLATILE ORGANIC COMPOUNDS** 

3

0.00279

Comment:

21

**Group Information** 

Group Id:

Design Capacity: 9.9

026

Group Description: FULTON HEATER #1

Actual Operating Schedule for This Group:

52

Hours/Day 24

Start Time: 0001

Flow Rate:

Days/Week 7

Weeks/Year

End Time: 2359

O3 Season Days 91

Percent Quarterly Throughput:

Dec.-Feb.

Mar.- May

Sept.- Nov. Jun.- Aug. 29

Desgin Cap. Units: 1

22

Comment: Fulton Heater #1 replaces boiler #1.

28

**Process Unit Information** 

Process Unit ID: Stack #: 1

Description: BOILER 026 Description: #2 FUEL OIL

Source Classification Code (SCC): 10200501 Height: 18

Description: External Combustion Boilers - Industrial Diameter: 1.30

Distillate Oil Vent Height: 0

Grades 1 and 2 Oil Velocity: 0.0 AP-42 Units: 1000 Gallons Distillate Oil (No. 1 & 2) Exit Temp.: 0

**Heat Content:** 1 Fuel Quality: Percent Sulfur: 0.350 Percent Ash: 0.01

Monthly Throughtput:

December: 0 March: 0 June: 0 September: 0 January: 0 April: 0 July: 0 October: 0

February: 0 May: 0 August: 0 November: 0

Units: 1000 Gallons Distillate Oil (No. 1 & 2) Annual Throughtput: 133.851

Comment:

**Process Unit Control Equipment** 

No Control Devices found for this Process Unit.

Process Unit Emissions					
Pollutant	Pollutant Description	Method:	Estimated Em Factor:	issions - No RE Tons/Yr:	Over All % Capture Control
10024972	NITROUS OXIDE (N2O) , NOT (NO2)	9	0.13	0.0087	
Comment:					
107028	ACROLEIN	9	0.351	0.023491	
Comment:					
124389	CARBON DIOXIDE	9	22680	1517.87	
Comment:					
18540299	CHROMIUM (VI)	9	0.0000756	5.06e-6	
Comment:					

06/26/2009 10:01:34

	Process Ur	nit Emiss			
Pollutant	Pollutant Description	Method:	Estimated Emi Factor:	ssions - No RE Tons/Yr:	Over All % Capture Control
246	POLYCYCLIC ORGANIC MATTER	9	0.0033	2.21e-4	
Comment:					
50000	FORMALDEHYDE	9	0.035	0.002342	
Comment:					
600	2,3,7,8-TCDD TEQ	9	2.6500e-8	1.77e-9	
Comment:					
71432	BENZENE	9	0.129	0.008633	
Comment:					
7439921	LEAD	9	0.00126	8.43e-5	
Comment:					
7439965	MANGANESE	9	0.000832	5.57e-5	
Comment:					
7439976	MERCURY	9	0.000416	2.78e-5	
Comment:					
7440020	NICKEL	9	0.000416	2.78e-5	
Comment:					
7440382	ARSENIC	9	0.000555	3.71e-5	
Comment:					
7440439	CADMIUM	9	0.000416	2.78e-5	
Comment:					
7440484	COBALT	9	0.00021	1.41e-5	
Comment:					
74828	METHANE	9	0.06	0.004016	
Comment:					
75070	ACETALDEHYDE	9	0.351	0.023491	
Comment:					
CO	CARBON MONOXIDE	8	5.000E0	0.334628	
Comment:					
NH3	AMMONIA	8	8.000E-1	0.05354	
Comment:	NUTROCEN CHARG		40		
NOX Comment:	NITROGEN OXIDES	9	42	2.810871	
PM10-FIL	PRIMARY PM10, FILTERABLE PORTION	9	10	0.440755	
Comment:	I RIVIART FIVIU, FILTERABLE PURITOR	y	10	0.669255	
PM25-FIL	PRIMARY PM2.5, FILTERABLE PORTION	8	2.500E-1	0.016731	
Comment:	- ANALYS I MAIO, FILL ENGINE I ORTION	J	2.JJUL-1	0.010/31	

			Estimated En	nissions - No RE	Over	All %	
Pollutant	Pollutant Description	Method:	Factor:	Tons/Yr:	Capture	Control	_
SO2	SULFUR DIOXIDE	8	1.42E2	3.326197			
Comment:							
voc	VOLATILE ORGANIC COMPOUNDS	9	0.34	0.022755			
Comment: 1	Emission factor based on AP-42 and license limit.						

## **Group Information**

Group Id:

027

Group Description: FULTON HEATER #2

Actual Operating Schedule for This Group:

Hours/Day 24

Start Time: 0001

Davs/Week

Weeks/Year

End Time: 2359 52

Percent Quarterly Throughput:

Dec.-Feb. Mar.- May

Design Capacity: 9.9

Jun.- Aug. Sept.- Nov.

22

Desgin Cap. Units: 1

O3 Season Days 91

21

28

29

Comment: Fulton Heater #2 replaces boiler #2.

#### **Process Unit Information**

Process Unit ID:

1

Stack #: 2

Description: #2 FUEL OIL

Description: BOILER 027

Source Classification Code (SCC): 10200501

Height: 14

1

Description: External Combustion Boilers - Industrial

Diameter: 2.00

Distillate Oil

Vent Height: 0

Grades 1 and 2 Oil

Velocity: 0.0

AP-42 Units: 1000 Gallons Distillate Oil (No. 1 & 2)

Exit Temp.: 0

Fuel Quality: Percent Sulfur: 0.350 Percent Ash:

Flow Rate:

Monthly Throughtput:

December:

March:

June:

Heat Content:

September:

January:

April:

July:

October:

February:

May:

August:

November:

Annual Throughtput: 133.851

Units: 1000 Gallons Distillate Oil (No. 1 & 2)

0.01

Comment:

## **Process Unit Control Equipment**

No Control Devices found for this Process Unit.

Process Unit Emissions					
<u>Pollutant</u>	Pollutant Description	Method:	Estimated En Factor:	nissions - No RE Tons/Yr:	Over All % Capture Control
10024972	NITROUS OXIDE (N2O) , NOT (NO2)	9	0.13	0.0087	
Comment:					
107028	ACROLEIN	9	0.351	0.023491	
Comment:					
124389	CARBON DIOXIDE	9	22680	1517.87	
Comment:					

06/26/2009 10:01:34 Page 35

	Process U	nit Emissi	ions		
Pollutant	Pollutant Description	Method:	Estimated Emis Factor:	ssions - No RE Tons/Yr:	Over All % Capture Control
18540299	CHROMIUM (VI)	9	0.0000756	5.06e-6	
Comment:					
246	POLYCYCLIC ORGANIC MATTER	9	0.0033	2.21e-4	
Comment:					
50000	FORMALDEHYDE	9	0.035	0.002342	
Comment:					
600	2,3,7,8-TCDD TEQ	9	2.6500e-8	1.77e-9	
Comment:					
71432	BENZENE	9	0.129	0.008633	
Comment:					
7439921	LEAD	9	0.00126	8.43e-5	
Comment:					
7439965	MANGANESE	9	0.000832	5.57e-5	
Comment:					
7439976	MERCURY	9	0.000416	2.78e-5	
Comment:					
7440020	NICKEL	9	0.000416	2.78e-5	
Comment:					
7440382	ARSENIC	9	0.000555	3.71e-5	
Comment:					
7440439	CADMIUM	9	0.000416	2.78e-5	
Comment:					
7440484	COBALT	9	0.00021	1.41e-5	
Comment:					
74828	METHANE	9	0.06	0.004016	
Comment:					
75070	ACETALDEHYDE	9	0.351	0.023491	
Comment:					
CO	CARBON MONOXIDE	8	5.000E0	0.334628	
Comment:					
NH3	AMMONIA	8	8.000E-1	0.05354	
Comment:					
NOX	NITROGEN OXIDES	9	42	2.810871	
Comment:					
PM10-FIL	PRIMARY PM10, FILTERABLE PORTION	9	10	0.669255	
Comment:					

Process Unit Emissions						
Poliutant	Pollutant Description	Method:	Estimated En Factor:	nissions - No RE Tons/Yr:	Over All % Capture Con	
PM25-FIL	PRIMARY PM2.5, FILTERABLE PORTION	8	2.500E-1	0.016731		
Comment:						
SO2	SULFUR DIOXIDE	8	1.42E2	3.326197		
Comment:						
voc	VOLATILE ORGANIC COMPOUNDS	9	0.34	0.022755		
Comment: E	Comment: Emission factor based on AP-42 and license limit.					

## **Group Information**

Group Id:

028

Group Description: BOILER #3

Desgin Cap. Units: 1

Percent Quarterly Throughput:

Design Capacity: 1

Dec.-Feb. Mar.- May

31

Jun.- Aug. Sept.- Nov. 19

6

Actual Operating Schedule for This Group:

Hours/Day 24

Start Time: 0001

Days/Week

Weeks/Year 52

End Time: 2359

O3 Season Days 91

Comment:

44

#### **Process Unit Information**

**Process Unit ID:** 

Stack #:

Description: #2 FUEL OIL

Description: BOILER 028

Source Classification Code (SCC): 10200501

Height: 20

Distillate Oil

Description: External Combustion Boilers - Industrial

Diameter: 0.80

Grades 1 and 2 Oil

Vent Height: 0 Velocity: 0.0

AP-42 Units: 1000 Gallons Distillate Oil (No. 1 & 2)

Exit Temp.: 0

Fuel Quality: Percent Sulfur: 0.350 Percent Ash:

0.01 **Heat Content:**  Flow Rate:

1

Monthly Throughtput:

December:

March:

June:

September:

January:

April:

July:

October:

February:

May:

August:

November:

Annual Throughtput: 7.243

Units: 1000 Gallons Distillate Oil (No. 1 & 2)

Comment:

## **Process Unit Control Equipment**

No Control Devices found for this Process Unit.

	Process U	Jnit Emiss			0
Pollutant	Pollutant Description	Method:	Estimated Emi	ssions - No RE Tons/Yr:	Over All % Capture Control
10024972	NITROUS OXIDE (N2O) , NOT (NO2)	9	0.13	0.000471	
Comment:					
107028	ACROLEIN	9	0.351	0.001271	
Comment:					
124389	CARBON DIOXIDE	9	22680	82.13562	
Comment:					
18540299	CHROMIUM (VI)	9	0.0000756	2.74e-7	
Comment:					
246	POLYCYCLIC ORGANIC MATTER	9	0.0033	1.20e-5	
Comment:					
50000	FORMALDEHYDE	9	0.035	1.27e-4	
Comment:					
600	2,3,7,8-TCDD TEQ	9	2.6500e-8	9.6e-11	
Comment:					
71432	BENZENE	9	0.129	0.000467	
Comment:					
7439921	LEAD	9	0.00126	4.56e-6	
Comment:					
7439965	MANGANESE	9	0.000832	3.01e-6	
Comment:					
7439976	MERCURY	9	0.000416	1.51e-6	
Comment:					
7440020	NICKEL	9	0.000416	1.51e-6	
Comment:					
7440382	ARSENIC	9	0.000555	2.01e-6	
Comment:					
7440439	CADMIUM	9	0.000416	1.51e-6	
Comment:					
7440484	COBALT	9	0.00021	7.61e-7	
Comment:					
74828	METHANE	9	0.06	2.17e-4	
Comment:		•	0.254	0.0040=4	
75070	ACETALDEHYDE	9	0.351	0.001271	
Comment:	a innovivoriowan	Δ	e nonta	0.010100	
СО	CARBON MONOXIDE	8	5.000E0	0.018108	
Comment:					

Process Unit Emissions					
Pollutant	Pollutant Description	Method:	Estimated En Factor:	nissions - No RE Tons/Yr:	Over All % Capture Control
NH3	AMMONIA	8	8.000E-1	0.002897	
Comment:					
NOX	NITROGEN OXIDES	9	42	0.152103	
Comment:					
PM10-FIL	PRIMARY PM10, FILTERABLE PORTION	9	10	0.036215	
Comment:					
PM25-FIL	PRIMARY PM2.5, FILTERABLE PORTION	8	2.500E-1	0.000905	
Comment:					
SO2	SULFUR DIOXIDE	8	1.42E2	0.179989	
Comment:					
voc	VOLATILE ORGANIC COMPOUNDS	9	0.34	0.001231	
Comment: E	mission factor based on AP-42 and license limit.				
	C I				

## **Group Information**

029 Group Id: Actual Operating Schedule for This Group: Group Description: BOILER #5 Hours/Day 24 Start Time: 0100 Design Capacity: 2 Desgin Cap. Units: 1 Days/Week Weeks/Year 52 End Time: 2300 Percent Quarterly Throughput: O3 Season Days 91 Dec.-Feb. Mar.- May Jun.- Aug. Sept.- Nov. 34 26 23 17

Comment:

#### **Process Unit Information**

Process Unit ID: 1 Stack #: 100 **Description: LOW PRESSURE BOILER** Description: BOILER #5 GROUP Source Classification Code (SCC): 10200503 Height: 18 Description: External Combustion Boilers - Industrial Diameter: 1.30 **Distillate Oil** Vent Height: 0 < 10 Million Btu/hr \*\* Velocity: 0.1 AP-42 Units: 1000 Gallons Distillate Oil Burned Exit Temp.: 50 Flow Rate: Fuel Quality: Percent Sulfur: 0.350 Percent Ash: Heat Content: 0.01 1 Monthly Throughtput: December: March: June: September: October: April: July: January:

Annual Throughtput: 25.912 Units: 1000 Gallons Distillate Oil Burned

May:

Comment:

February:

## **Process Unit Control Equipment**

August:

November:

No Control Devices found for this Process Unit.

Process Unit Emissions					
Pollutant	Pollutant Description	Method:	Estimated Emi Factor:	ssions - No RE Tons/Yr:	Over All % Capture Control
10024972	NITROUS OXIDE (N2O) , NOT (NO2)	9	0.13	0.001684	- Captair Control
Comment:					
107028	ACROLEIN	9	0.351	0.004548	
Comment:					
124389	CARBON DIOXIDE	9	22680	293.8421	
Comment:					
18540299	CHROMIUM (VI)	9	0.0000756	9.80e-7	
Comment:					
246	POLYCYCLIC ORGANIC MATTER	9	0.0033	4.28e-5	
Comment:					
50000	FORMALDEHYDE	9	0.035	0.000454	
Comment:					
600	2,3,7,8-TCDD TEQ	9	2.6500e-8	3.4e-10	
Comment:					
71432	BENZENE	9	0.129	0.001671	
Comment:					
7439921	LEAD	9	0.00126	1.63e-5	
Comment:					
7439965	MANGANESE	9	0.000832	1.08e-5	
Comment:					
7439976	MERCURY	9	0.000416	5.39e-6	
Comment:					
7440020	NICKEL	9	0.000416	5.39e-6	
Comment:					
7440382	ARSENIC	9	0.000555	7.19e-6	
Comment:					
7440439	CADMIUM	9	0.000416	5.39e-6	
Comment:					
7440484	COBALT	9	0.00021	2.72e-6	
Comment:					
74828	METHANE	9	0.06	0.000777	
Comment:					
75070	ACETALDEHYDE	9	0.351	0.004548	
Comment:					
CO	CARBON MONOXIDE	8	5.000E0	0.06478	
Comment:					

Process Unit Emissions					
_Pollutant	Pollutant Description	Method:	Estimated En Factor:	nissions - No RE Tons/Yr:	Over All % Capture Control
NH3	AMMONIA	8	8.000E-1	0.010365	·
Comment:					
NOX	NITROGEN OXIDES	9	42	0.544152	
Comment:					
PM10-FIL	PRIMARY PM10, FILTERABLE PORTION	9	2	0.025912	
Comment:					
PM25-FIL	PRIMARY PM2.5, FILTERABLE PORTION	8	2.500E-1	0.003239	
Comment:					
SO2	SULFUR DIOXIDE	8	1.42E2	0.643913	
Comment:					
VOC	VOLATILE ORGANIC COMPOUNDS	9	0.34	0.004405	
Comment: E	mission factor based on AP-42 and license limit.				

Group	p Infor	mation

Group Id: 030 Group Description: FULTON HEATER #3	Actual Operating Schedule for This Group:
Design Capacity: 9,9 Desgin Cap. Units: 1	Hours/Day 24 Start Time: 0001 Days/Week 7
Percent Quarterly Throughput:	Weeks/Year 52 End Time: 2359
DecFeb. Mar May Jun Aug. Sept Nov.	O3 Season Days 0
21 28 29 22	

Comment:

## **Process Unit Information**

Process Unit ID: 1 Description: #2 FUEL OIL				]		3 BOILER 02	8
Source Classfiication Code (SC Description: External Combu Distillate Oil Grades 1 and 2 Oil AP-42 Units: 1000 Gallons Dis	istion Boilers - I					Height: Diameter: 0  ent Height: Velocity: 0 Exit Temp.:	.80 0 ).0
Fuel Quality: Percent Sulfur: Monthly Throughtput:	0.350 Percent	Ash: <b>0.01</b>	Heat Content:		1	Flow Rate:	0
December: 0	Marc	h: 0	June:	0		September	: 0
January: 0	Apr	il: <b>0</b>	July:	0		October:	0
February: 0	Ma	y: <b>0</b>	August:	0		November	: 0

Annual Throughtput: 133.851 Units: 1000 Gallons Distillate Oil (No. 1 & 2)

Comment:

## **Process Unit Control Equipment**

No Control Devices found for this Process Unit.

	Process Unit Emissions					
D-11-44	Dellaterat Description	Method:	Estimated Emis	ssions - No RE Tons/Yr:	Over All % Capture Control	
Pollutant 10024972	Pollutant Description NITROUS OXIDE (N2O), NOT (NO2)	9	0.13	0.0087	Capture Control	
Comment:	(100)		0120	0,000		
107028	ACROLEIN	9	0.351	0.023491		
Comment:		•	<b>500</b>	0.020.72		
124389	CARBON DIOXIDE	9	22680	1517.87		
Comment:	<del></del>	•				
18540299	CHROMIUM (VI)	9	0.0000756	5.06e-6		
Comment:	,					
246	POLYCYCLIC ORGANIC MATTER	9	0.0033	2.21e-4		
Comment:						
50000	FORMALDEHYDE	9	0.035	0.002342		
Comment:						
600	2,3,7,8-TCDD TEQ	9	2.6500e-8	1.77e-9		
Comment:						
71432	BENZENE	9	0.129	0.008633		
Comment:						
7439921	LEAD	8	0.003369	2.26e-4		
Comment:						
7439965	MANGANESE	9	0.000832	5.57e-5		
Comment:						
7439976	MERCURY	9	0.000416	2.78e-5		
Comment:						
7440020	NICKEL	9	0.000416	2.78e-5		
Comment:						
7440382	ARSENIC	9	0.000555	3.71e-5		
Comment:						
7440439	CADMIUM	9	0.000416	2.78e-5		
Comment:						
7440484	COBALT	9	0.00021	1.41e-5		
Comment:						
74828	METHANE	9	0.06	0.004016		
Comment:						
75070	ACETALDEHYDE	9	0.351	0.023491		
Comment:						
CO	CARBON MONOXIDE	8	5.000E0	0.334628		
Comment:						

Process Unit Emissions						
_Pollutant	Pollutant Description	Method:	Estimated Emis Factor:	sions - No RE Over All % Tons/Yr: Capture Control		
NH3	AMMONIA	8	8.000E-1	0.05354		
Comment:						
NOX	NITROGEN OXIDES	8	2.400E1	1.606212		
Comment:						
PM10-FIL	PRIMARY PM10, FILTERABLE PORTION	8	1.000E0	0.066926		
Comment:						
PM25-FIL	PRIMARY PM2.5, FILTERABLE PORTION	8	2.500E-1	0.016731		
Comment:						
SO2	SULFUR DIOXIDE	8	1.42E2	3.326197		
Comment:						
TNMOC	TOTAL NON-METHANE ORGANIC	8	2.000E-1	0.013385		
Comment:						
voc	VOLATILE ORGANIC COMPOUNDS	8	0.42	0.028109		
Comment:						
		C 41				
	_	nformati	on			
Group Id: Group Description	098 ription:TRUCK LOADING RACKS		Actual Operatin	g Schedule for This Group:		
Design Capa		Hours/Day 24 Start Time: 0001 Days/Week 6				
	rterly Throughput:	Weeks/Year 52 End Time: 2359 O3 Season Days 78				
DecFeb.	Mar May Jun Aug. Sept Nov.					
25	25 25 25					
Comment:						
	Process Uni	it Inform	ation			
Process Unit Description:	ID: 1 ALL FUELS		Stack Description	#: 99 on: FUGITIVE		
Source Class	sflication Code (SCC): 40400250			Height: 0		
Description: Bulk Plants	Petroleum Liquids Storage (non-Refinery)			Diameter: 0.00 Vent Height: 2		
Loading Ra	cks			Velocity: 0.0		
AP-42 Units	:: 1000 Gallons Liquid Transferred			Exit Temp.: 0 Flow Rate: 0		
Fuel Quality Monthly Th	r: Percent Sulfur: 0.000 Percent Ash: 0.00 roughtput:	Heat Conten	it: 1	Flow Raie. U		
D	ecember: March:	Jur	ne:	September:		
	January: April:	Ju	ly:	October:		
F	ebruary: May:	Augus	st:	November:		
Annual Thro	oughtput: 123528 Units: 1000 Gallons Liquid	<b>Fransferred</b>				
Comment:						

## **Process Unit Control Equipment**

No Control Devices found for this Process Unit.

Process	Uni	t Em	iccin	ne

Pollutant Pollutant Description Method: Factor: Tons/Yr: Capture Control

VOC VOLATILE ORGANIC COMPOUNDS 3 0.884

Comment:

**Group Information** 

Group Id: 099
Group Description: VESSEL LOADING
Actual Operating Schedule for This Group:

Hours/Day 24 Start Time: 0001

Design Capacity: Desgin Cap. Units: Days/Week 6

Percent Quarterly Throughput: Weeks/Year 52 End Time: 2359

Dec.-Feb. Mar.- May Jun.- Aug. Sept.- Nov. O3 Season Days 78

25 25 25 25 25

Comment:

**Process Unit Information** 

Process Unit ID: 1 Stack #: 99

Description: #2 FUEL OIL Description: FUGITIVE

Source Classification Code (SCC): 40400250 Height: 0

Description: Petroleum Liquids Storage (non-Refinery)

Bulk Plants

Diameter: 0.00

Vent Height: 2

Bulk Plants Vent Height: 2
Loading Racks Velocity: 0.0

AP-42 Units: 1000 Gallons Liquid Transferred Exit Temp.: 0

Fuel Quality: Percent Sulfur: 0.000 Percent Ash: 0.00 Heat Content: 1 Flow Rate: 0

Monthly Throughtput:

December: June: September:

January: April: July: October:

February: May: August: November:

Annual Throughtput: 1628 Units: 1000 Gallons Liquid Transferred

Comment:

**Process Unit Control Equipment** 

No Control Devices found for this Process Unit.

			Estimated Emissions - No RE		Over All %	
Pollutant	Pollutant Description	Method:	Factor:	Tons/Yr:	Capture Control	
voc	VOLATILE ORGANIC COMPOUNDS	3		0.009		
Comment:						

# **Facility Pollutant Emissions Summary**

Facility ID: 00120 County - 005 State - 23

CAS	Pollutant		Emissions tons / year
	NITROUS OXIDE (N2O) , NOT (NO2)	0.028255	0.028255
107028	ACROLEIN	0.076292	0.076292
124389	CARBON DIOXIDE	4929.588	4929.588
18540299	CHROMIUM (VI)	1.64e-5	1.64e-5
246	POLYCYCLIC ORGANIC MATTER	0.000718	0.000718
50000	FORMALDEHYDE	0.007607	0.007607
600	2,3,7,8-TCDD TEQ	5.75e-9	5.75e-9
71432	BENZENE	0.028037	0.028037
7439921	LEAD	4.16e-4	4.16e-4
7439965	MANGANESE	1.81e-4	1.81e-4
7439976	MERCURY	9.03e-5	9.03e-5
7440020	NICKEL	9.03e-5	9.03e-5
7440382	ARSENIC	1.21e-4	1.21e-4
7440439	CADMIUM	9.03e-5	9.03e-5
7440484	COBALT	4.58e-5	4.58e-5
74828	METHANE	0.013042	0.013042
75070	ACETALDEHYDE	0.076292	0.076292
CO	CARBON MONOXIDE	1.086772	1.086772
NH3	AMMONIA	0.173882	0.173882
NOX	NITROGEN OXIDES	7.924209	7.924209
PM10-FIL	PRIMARY PM10, FILTERABLE PORTION ONLY	1.467563	1.467563
PM25-FIL	PRIMARY PM2.5, FILTERABLE PORTION ONLY	0.054337	0.054337
SO2	SULFUR DIOXIDE	10.80249	10.80249
TNMOC	TOTAL NON-METHANE ORGANIC CARBON	0.013385	0.013385
voc	VOLATILE ORGANIC COMPOUNDS	4.965225	4.965225